CLAIMS

I Claim:

- A liquid oral pharmaceutical composition, comprising:
- 5 a) a proton pump inhibitor; and
- b) at least one buffering agent; wherein if said proton pump inhibitor is omeprazole, it must be present in a concentration greater than 1.2 mg/ml, and if said inhibitor is lansoprazole, it must be 10 present in a concentration greater than 0.3 mg/ml.
 - 2. The liquid oral pharmaceutical composition as recited in Claim 1 further comprising a parietal cell activator.

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- The liquid oral pharmaceutical composition as recited in Claim 2 wherein said activator is selected from the group consisting of chocolate, sodium bicarbonate, a calcium salt, peppermint oil, spearmint coffee, tea, cola, caffeine, theophylline, theobromine, at least one amino acid, and combinations thereof.
- The liquid oral pharmaceutical composition as
 recited in Claim 1 further comprising an anti-foaming agent.

- 5. The liquid oral pharmaceutical composition as recited in Claim 1 further comprising a flavoring agent.
- 6. A liquid oral pharmaceutical composition,5 comprising:
 - a) a proton pump inhibitor; and
 - b) at least one buffering agent;

wherein said proton pump inhibitor is selected from the group consisting of omeprazole (in a concentration greater than 1.2 mg/ml), lansoprazole (in a concentration greater than 0.3 mg/ml), pantoprazole, rabeprazole, dontoprazole, perprazole, habeprazole, ransoprazole, pariprazole, and leminoprazole.

- 7. A solid oral pharmaceutical composition, comprising:
 - a) a proton pump inhibitor; and
 - b) at least one buffering agent;

wherein said composition is in a dosage form selected 20 from the group consisting of a powder, a tablet, a suspension tablet, a chewable tablet, a capsule, an effervescent powder, an effervescent tablet, pellets and granules, and wherein said dosage form is not enteric coated or time-released.

- 8. The solid oral pharmaceutical composition as recited in Claim 7 further comprising a parietal cell activator.
- 9. The solid oral pharmaceutical composition as recited in Claim 7 further comprising an anti-foaming agent.
- 10. The solid oral pharmaceutical composition as recited in Claim 7 wherein said composition is in the form of a tablet, said tablet comprising a central core of said proton pump inhibitor uniformly surrounded by the at least one buffering agent.
- 15 11. The tablet composition as recited in Claim 10 wherein the buffering agent is sodium bicarbonate in an amount of approximately 1 mEq to approximately 25 mEq.
- 12. The solid oral pharmaceutical composition as recited in Claim 7 wherein said composition is in the form of a tablet, said tablet comprising a substantially homogeneous mixture of said proton pump inhibitor and said at least one buffering agent.
- 25 13. The tablet composition as recited in Claim 12 wherein the buffering agent is sodium bicarbonate in an amount of approximately 1 mEq to approximately 25 mEq.

- 14. The solid oral pharmaceutical composition as recited in Claim 7 wherein said composition is in the form of an effervescent tablet, said tablet further comprising an effervescing agent.
 - 15. A method of treating gastric acid disorders comprising administering to a patient an oral pharmaceutical composition comprising a proton pump inhibitor and at least one buffering agent wherein said administering step comprises providing a patient with a single dose of the pharmaceutical composition without requiring further administration of the at least one buffering agent.

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- 16. A kit for the preparation of a liquid oral pharmaceutical composition, comprising:
 - a) a powder comprising a proton pump inhibitor; and
- b) a liquid buffering agent to be mixed with said20 powder to form said liquid composition.
 - 17. A kit for the preparation of a liquid oral pharmaceutical composition, comprising a proton pump inhibitor in combination with at least one buffering agent, said combination in a dry form, and a diluent to be mixed with said dry form to create said composition.

- 18. An oral pharmaceutical composition to be administered in combination with a proton pump inhibitor, comprising at least one buffering agent, wherein said composition is in a dosage form selected from the group consisting of a powder, a tablet, a chewable tablet, a capsule, an effervescent powder, an effervescent tablet, pellets and granules, and wherein said dosage form is not enteric coated or time-released.
- 10 19. The oral pharmaceutical composition of Claim 18 further comprising a parietal cell activator.
 - 20. The oral pharmaceutical composition of Claim 18 further comprising a flavoring agent.

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- 21. A method for enhancing the pharmacological activity of a proton pump inhibitor intravenously administered to a patient, comprising orally administering to the patient at least one parietal cell activator at a time interval selected from the group consisting of before, during and after the intravenous administration of the proton pump inhibitor.
- 22. The method as recited in claim 21 wherein the parietal cell activator is selected from the group consisting of chocolate, sodium bicarbonate, a calcium salt, peppermint oil, spearmint oil, coffee, tea, cola, caffeine, theophylline, theobromine, at least one amino acid, and combinations thereof.